

BIGG SUPERMARKET

For this question, you have to implement an interactive supermarket scenario. Assume the supermarket has only the following 10 items and each item belongs to one of the three categories: Apparels, Electronics or Eatables.

Item Code	Item Name	Price	Category
0	Tshirt	400	Apparels
1	Trousers	500	Apparels
2	Towel	200	Apparels
3	Smartphone	15,000	Electronics
4	Tablet	25,000	Electronics
5	Laptop	60,000	Electronics
6	Eggs	6	Eatables
7	Chocolate	15	Eatables
8	Juice	80	Eatables
9	Corn-Flakes	40	Eatables

The general flow of the program looks something like this:

1. Greet the customer and inform them about the available items
2. Decide the type of order (bulk or regular)
3. Take the order
4. Print the order summary
5. Print the category-wise cost
6. Print the discount details
7. Ask the user for coupon (if any)
8. Print final costs
9. Say goodbye!

Please go through all the instructions (i.e.,Page2 - Page4) This document contains 4 pages

The first thing the program must do when a customer enters is to display a Welcome message and tell him about the list of things available at the store. This is to be done in the following manner:

The next step is to **ask the customer if he wants to buy in bulk or not**. This has to be done in the following manner:

```
Would you like to buy in bulk? (y or Y / n or N):
```


After asking this, you have to **take input from the customer**. The valid inputs are 'y' or 'Y' for Yes and 'n' or 'N' for No. If the customer enters any invalid input, keep asking the same question until a valid input is entered by the customer.

Depending on whether the customer is a bulk buyer or a regular buyer, you have to take the order from the customer.

Regular Customer

The first thing you have to do is take the order from the customer. This is to be done in the following manner:

Input from user



```
-----  
ENTER ITEMS YOU WISH TO BUY  
-----  
Enter the item codes (space-separated): 0 1 1 3 4 8 1 8
```

Next, you have to **print an order summary** for the customer.

Note that the items are to be **printed in ascending order of their code**. If the customer enters an invalid code, you have to print an error message (decide yourself what the message should be) and skip this item. For e.g. if the user enters the item codes as 10 1 3 5, then just consider the items with code 1, 3 and 5.

The next thing you should do is **tell the customer about the category-wise cost**. This means that you should print the amount the customer is spending on each of the three categories, namely Apparels, Electronics or Eatables.

Discounts Section

The supermarket, having a lot of competition in the market, also offers **some discounts to its customers**. These discounts are as follows:

Discount on Apparels: 10% off if the base amount of Apparels ≥ 2000

Discount on Electronics: 10% off if the base amount of Electronics ≥ 25000

Discount on Eatables: 10% off if the base amount of Eatables ≥ 500

Bulk Customer

In case the customer is a bulk buyer, the only change is in the way you have to take the order from the customer. This means that in the general flow of the assignment explained in the beginning, only step 3 behaves differently if the customer is a bulk buyer. Please find attached the sample order for bulk customer. All the remaining steps are same.

Sample Input for Bulk Customer

ENTER ITEM AND QUANTITIES

Enter code and quantity (leave blank to stop): 1 50

You added 50 Trousers

Enter code and quantity (leave blank to stop): 3 10

You added 10 Smartphone

Enter code and quantity (leave blank to stop): 1 20

You added 20 Trousers

Enter code and quantity (leave blank to stop): 4 -5

Invalid quantity. Try again.

Enter code and quantity (leave blank to stop): 25 2

Invalid code. Try again.

Enter code and quantity (leave blank to stop): 25 -5

Invalid code and quantity. Try again.

Enter code and quantity (leave blank to stop):

Your order has been finalized.

Inputs
from
user